WHAT IS CLAIMED IS:

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An optical disk device, comprising:
 an optical pickup that irradiates a laser
 beam onto a rotating optical disk;

a tilt measurement unit configured to

10 measure a tilt of the optical pickup relative to the

optical disk at a preset measurement position; and

a tilt correction unit configured to perform correction at the preset measurement position using tilt data measured at the preset measurement position,

wherein:

the optical pickup is moved and set at a plurality of the preset measurement positions in a radial direction on the optical disk, and the tilt measurement unit measures the tilt at each of the preset measurement positions, intervals between adjacent two of the preset measurement positions being set shorter and shorter from an inner region to a peripheral region of the optical disk.

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2. The optical disk device as claimed in claim 1, wherein the tilt data measured at one of the preset measurement positions is used in common for the tilt correction throughout a predetermined region including the one of the preset measurement positions.

3. The optical disk device as claimed in claim 1, further comprising a calculation unit configured to calculate a tilt value at a position between adjacent two of the preset measurement positions using the tilt data measured at the two adjacent preset measurement positions, said tilt correction unit correcting the tilt at the position using the calculated tilt value,

wherein:

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in an inner region on the optical disk on

the inner side of the innermost preset measurement

position, the calculation unit assigns the calculated

tilt value to be equal to the tilt data measured at the

innermost preset measurement position; and

in a peripheral region on the optical disk
on the outer side of the outermost preset measurement

position, the calculation unit assigns the calculated tilt value to be equal to the tilt data measured at the outermost preset measurement position.

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4. The optical disk device as claimed in claim 1, wherein when an intended location of one of the preset measurement positions is between a recorded region and an unrecorded region on the optical disk, the actual location of the one of the preset measurement positions is shifted by a predetermined distance in a radial direction on the optical disk relative to the intended location of the one of the preset measurement positions.

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5. A tilt correction method for correcting a tilt of an optical disk relative to an optical pickup in an optical disk device wherein the optical pickup irradiates a laser beam onto the optical disk,

25 comprising:

a first step of moving the optical pickup and setting the optical pickup at a plurality of preset measurement positions in a radial direction on the optical disk, intervals between adjacent two of the preset measurement positions being set shorter and shorter from an inner region to a peripheral region of the optical disk;

a second step of measuring the tilt at each of the preset measurement positions; and

a third step of performing tilt correction at each of the preset measurement positions using corresponding measured tilt data.

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6. The tilt correction method as claimed in claim 5, the third step comprising a step of correcting the tilt throughout a predetermined region including one of the preset measurement positions using the tilt data measured at the one of the measurement positions.

7. The tilt correction method as claimed in claim 5, further comprising, after the first step, a step of calculating a tilt value at a position between the adjacent two of the preset measurement positions, and correcting the tilt at the position using the calculated tilt value,

wherein:

the third step comprises a step of:

assigning the calculated tilt value in an

inner region on the inner side of the innermost preset

measurement position to be equal to the tilt data

measured at the innermost preset measurement position;

and

assigning the calculated tilt value in a

15 peripheral region on the outer side of the outermost

preset measurement position to be equal to the tilt

data measured at the outermost preset measurement

position.